

**§ 421.253**

**BPT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 1.743  | 0.830                       |
| Mercury .....                   | 1.038  | 0.415                       |
| Silver .....                    | 1.702  | 0.706                       |
| Zinc .....                      | 6.059  | 2.532                       |
| Gold .....                      | 0.415  | .....                       |
| Oil and Grease .....            | 83.000   | 49.800                      |
| Total suspended solids .....    | 170.200  | 80.930                      |
| pH .....                        | ( <sup>1</sup> )                                       | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(h) Condenser blowdown.

**BPT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 5.796  | 2.760                       |
| Mercury .....                   | 3.450  | 1.380                       |
| Silver .....                    | 5.658  | 2.346                       |
| Zinc .....                      | 20.150   | 8.418                       |
| Gold .....                      | 1.380  | .....                       |
| Oil and Grease .....            | 276.000  | 165.600                     |
| Total suspended solids .....    | 565.800  | 269.100                     |
| pH .....                        | ( <sup>1</sup> )                                       | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

(i) Mercury cleaning bath water.

**BPT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 0.588  | 0.280                       |
| Mercury .....                   | 0.350  | 0.140                       |
| Silver .....                    | 0.574  | 0.238                       |
| Zinc .....                      | 2.044  | 0.854                       |
| Gold .....                      | 0.140  | .....                       |
| Oil and Grease .....            | 28.000   | 16.800                      |
| Total suspended solids .....    | 57.400   | 27.300                      |
| pH .....                        | ( <sup>1</sup> )                                       | ( <sup>1</sup> )            |

<sup>1</sup> Within the range of 7.5 to 10.0 at all times.

**40 CFR Ch. I (7–1–08 Edition)**

**§ 421.253 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable:

(a) Smelter wet air pollution control.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                    | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/troy ounce of gold and silver smelted |                             |
| Lead .....                      | 0.364                                    | 0.169                       |
| Mercury .....                   | 0.195                                    | 0.078                       |
| Silver .....                    | 0.377                                    | 0.156                       |
| Zinc .....                      | 1.326                                    | 0.546                       |
| Gold .....                      | 0.130                                    | .....                       |

(b) Silver chloride reduction spent solution.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                       | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/troy ounce of silver reduced in solution |                             |
| Lead .....                      | 0.112                                       | 0.052                       |
| Mercury .....                   | 0.060                                       | 0.024                       |
| Silver .....                    | 0.116                                       | 0.048                       |
| Zinc .....                      | 0.408                                       | 0.168                       |
| Gold .....                      | 0.040                                       | .....                       |

(c) Electrolytic cells wet air pollution control.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                          | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/troy ounce of gold refined electrolytically |                             |
| Lead .....                      | 5.544  | 2.574                       |
| Mercury .....                   | 2.970  | 1.188                       |
| Silver .....                    | 5.742  | 2.376                       |
| Zinc .....                      | 20.200   | 8.316                       |
| Gold .....                      | 1.980  | .....                       |

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(d) Electrolyte preparation wet air pollution control.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                           | Maximum for monthly average |
|---------------------------------|---|-----------------------------|
|                                 | mg/troy ounce of silver in electrolyte produced |                             |
| Lead .....                      | 0.014   | 0.007                       |
| Mercury .....                   | 0.008   | 0.003                       |
| Silver .....                    | 0.015   | 0.006                       |
| Zinc .....                      | 0.051   | 0.021                       |
| Gold .....                      | 0.005   | .....                       |

(e) Calciner Wet Air Pollution Control.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

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|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 6.160  | 2.860                       |
| Mercury .....                   | 3.300  | 1.320                       |
| Silver .....                    | 6.380  | 2.640                       |
| Zinc .....                      | 22.440   | 9.240                       |
| Gold .....                      | 2.200  | .....                       |

(f) Calcine quench water.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 4.928  | 2.288                       |
| Mercury .....                   | 2.640  | 1.056                       |
| Silver .....                    | 5.104  | 2.112                       |
| Zinc .....                      | 17.950   | 7.392                       |
| Gold .....                      | 1.760  | .....                       |

(g) Calciner stack gas contact cooling water.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 1.162  | 0.540                       |

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY—Continued**

| Pollutant or pollutant property | Maximum for any 1 day | Maximum for monthly average |
|---------------------------------|-----------------------|-----------------------------|
| Mercury .....                   | 0.623                 | 0.249                       |
| Silver .....                    | 1.204                 | 0.498                       |
| Zinc .....                      | 4.233                 | 1.743                       |
| Gold .....                      | 0.415                 | .....                       |

(h) Condenser blowdown.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 3.864  | 1.794                       |
| Mercury .....                   | 2.070  | 0.828                       |
| Silver .....                    | 4.002  | 1.656                       |
| Zinc .....                      | 14.080   | 5.796                       |
| Gold .....                      | 1.380  | .....                       |

(i) Mercury cleaning bath water.

**BAT LIMITATIONS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                                  | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/kg (pounds per million pounds) of mercury condensed |                             |
| Lead .....                      | 0.392  | 0.182                       |
| Mercury .....                   | 0.210  | 0.084                       |
| Silver .....                    | 0.406  | 0.168                       |
| Zinc .....                      | 1.428  | 0.588                       |
| Gold .....                      | 0.140  | .....                       |

**§ 421.254 Standards of performance for new sources.**

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Smelter wet air pollution control.

**NSPS FOR THE PRIMARY PRECIOUS METALS AND MERCURY SUBCATEGORY**

| Pollutant or pollutant property | Maximum for any 1 day                    | Maximum for monthly average |
|---------------------------------|--|-----------------------------|
|                                 | mg/troy ounce of gold and silver smelted |                             |
| Lead .....                      | 0.364                                    | 0.169                       |
| Mercury .....                   | 0.195                                    | 0.078                       |
| Silver .....                    | 0.377                                    | 0.156                       |
| Zinc .....                      | 1.326                                    | 0.546                       |